	INTERNATIONAL SEARCH REP	PORT	PCT/GB 03/02599		
A. CLASSI IPC 7	FICATION OF SUBJECT MATTER G01R31/3167 G01R31/3183				
B. FIELDS	o International Patent Classification (IPC) or to both national clas SEARCHED				
IPC 7	ocumentation searched (classification system followed by classif $G01R$	icalion symbols)			
Documenta	tion searched other than minimum documentation to the extent the	nat such documents are inc	cluded in the lields searched		
)	tata base consulted during the international search (name of dat ternal, INSPEC, WPI Data, IBM-TDB	a base and, where practice	al, search terms used)		
C. DOCUM	ENTS CONSIDERED TO BE RELEVANT				
Category °	Citation of document, with indication, where appropriate, of th	e relevant passages	Relevant to claim No.		
X	ZHENG H H ET AL: "A novel test generation approach for parametric faults in linear analog circuits" PROCEEDINGS. 14TH IEEE VLSI TEST SYMPOSIUM (CAT. NO.96TB100043), PROCEEDINGS OF 14TH VLSI TEST SYMPOSIUM, PRINCETON, NJ, USA, 28 APRIL-1 MAY 1996, pages 470-475, XP002265465 1996, Los Alamitos, CA, USA, IEEE Comput. Soc. Press, USA ISBN: 0-8186-7304-4				
Y	page 471, column 1, paragraph column 2, paragraph 1; figures		22		
X Fur	ther documents are listed in the continuation of box C.	χ Patent family	y members are-listed in annex.		
"A" docum consi "E" earlier filing: "L" docum which citatic "O" docum: "P" docum later! Date of the	ategories of cited documents: ment defining the general state of the art which is not dered to be of particular relevance document but published on or after the international date the definition of the description of the description of the description of the description or other special reason (as specified) the referring to an oral disclosure, use, exhibition or means. The published prior to the international filting date but than the priority date claimed a catual completion of the international search	or priority date a cited to underst invention "X" document of part cannot be consist involve an invertion of part cannot be consist document is concument is concument is continued in the art. "8" document memb	"X" document of particular relevance; the claimed invention cannot be considered novel or cannot be considered to involve an inventive step when the document is taken alone "Y" document of particular relevance; the claimed invention cannot be considered to involve an inventive step when the document is combined with one or more other such documents, such combination being obvious to a person skilled		
	mailing address of the ISA European Patent Office, P.B. 5818 Patentlaan 2 NL – 2280 HV Rijswijk Tel. (+31–70) 340–2040, Tx. 31 651 epo nl, Fax: (+31–70) 340–3016	Authorized office	uthorized officer Böhm-Pélissier, A		

PCT/GB 03/02599 C.(Continuation) DOCUMENTS CONSIDERED TO BE RELEVANT Category ° Citation of document, with indication, where appropriate, of the relevant passages Relevant to claim No. SAAB D G ET AL: "CRIS: A test cultivation 22 program for sequential VLSI circuits" PROCEEDINGS OF THE IEEE/ACM INTERNATIONAL CONFERENCE ON COMPUTER AIDEDDESIGN (ICCAD). SANTA CLARA, NOV. 8 - 12, 1992, LOS ALAMITOS, IEEE COMP. SOC. PRESS, US, vol. CONF. 10. 8 November 1992 (1992-11-08), pages 216-219, XP010094549 ISBN: 0-8186-3010-8 page 217, column 1 X VAN SPAANDONK J ET AL: "SELECTING 1-14,16,MEASUREMENTS TO TEST THE FUNCTIONAL 20,23, BEHAVIOR OF ANALOG CIRCUITS" 24,47,48 JOURNAL OF ELECTRONIC TESTING, KLUWER ACADEMIC PUBLISHERS, DORDRECHT, NL. vol. 9, no. 1/2, 1 August 1996 (1996-08-01), pages 9-18, XP000636621 ISSN: 0923-8174 page 15 -page 16 Χ BALIVADA A ET AL: "A UNIFIED APPROACH FOR 1,2,16, 20,23, FAULT SIMULATION OF LINEAR MIXED-SIGNAL CIRCUITS" 24,47,48 JOURNAL OF ELECTRONIC TESTING, KLUWER ACADEMIC PUBLISHERS, DORDRECHT, NL. vol. 9, no. 1/2, 1 August 1996 (1996-08-01), pages 29-41, XP000636623 ISSN: 0923-8174 page 33, column 2, paragraph 2 -page 35; figures 6,11; table 3 Α WO 98/55880 A (SAAB KHALED ; HAMIDA NAIM 1 - 34. BEN (US); KAMINSKA BOZENA (US); OPMAXX IN) 47-50 10 December 1998 (1998-12-10) abstract; figures 7,8,11,13 X US 5 745 409 A (SO HOCK C ET AL) 35-46. 28 April 1998 (1998-04-28) 51-55 abstract; figures 1,3A column 3, line 18 - line 50 column 8, line 34 -column 9, line 5 Α US 5 694 356 A (SO HOCK C ET AL) 35-46. 2 December 1997 (1997-12-02) 51-55 abstract; figure 29 Χ US 5 748 124 A (WHYTE ROBERT ET AL) 35,42, 51,53,55 5 May 1998 (1998-05-05) abstract; figure 1

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alegory ° Ci	US 5 793 778 A (QURESHI FAZAL UR REHMAN) 11 August 1998 (1998–08–11) abstract; figure 1	35-46, 51-55
	US 5 793 778 A (QURESHI FAZAL UR REHMAN) 11 August 1998 (1998-08-11) abstract; figure 1	35-46, 51-55

Information on patent lamily members				PCT/GB 03/02599			
	ent document in search report		Publication date		Patent family member(s)		Publication date
WO	9855880	A	10-12-1998	CA AU CA WO	2206738 7634598 2269914 9855880	3 A 3 A1	02-12-1998 21-12-1998 10-12-1998 10-12-1998
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Box I Observations where certain claims were found unsearchable (Continuation of item 1 of first sheet)
This International Search Report has not been established in respect of certain claims under Article 17(2)(a) for the following reasons:
Claims Nos.: because they relate to subject matter not required to be searched by this Authority, namely:
2. Claims Nos.: because they relate to parts of the International Application that do not comply with the prescribed requirements to such an extent that no meaningful International Search can be carried out, specifically:
3. Claims Nos.: because they are dependent claims and are not drafted in accordance with the second and third sentences of Rule 6.4(a).
Box II Observations where unity of invention is lacking (Continuation of item 2 of first sheet)
This International Searching Authority found multiple inventions in this international application, as follows:
see additional sheet
1. X As all required additional search fees were timely paid by the applicant, this International Search Report covers all searchable claims.
2. As all searchable claims could be searched without effort justifying an additional fee, this Authority did not invite payment of any additional fee.
3. As only some of the required additional search fees were timely paid by the applicant, this International Search Report covers only those claims for which fees were paid, specifically claims Nos.:
No required additional search fees were timely paid by the applicant. Consequently, this International Search Report is restricted to the Invention first mentioned in the claims; it is covered by claims Nos.:
Remark on Protest The additional search fees were accompanied by the applicant's protest. X No protest accompanied the payment of additional search fees.

FURTHER INFORMATION CONTINUED FROM PCT/ISA/ 210

This International Searching Authority found multiple (groups of) inventions in this international application, as follows:

1. Claims: 1-34,47-50

These claims are related to a method/apparatus for generating digital test inputs for an analog circuit by using an optimisation algorithm.

2. Claims: 35-46, 51-55

These claims relate to a method/apparatus for testing an analog circuit by means of an optimised digital input signal for determining a fault.